EXTERIOR DIRECT APPLIED FINISH SYSTEM (DEFS)
GUIDE SPECIFICATION (with Metric analogs)
FOR CLASS DA (DIRECT APPLIED - Moisture Drainage)
OVER CEMENT BOARD

DIVISION 07240
04/06

TOTAL WALL'S DIRECT APPLIED FINISH SYSTEM (Defs)
OVER CEMENT BOARD SHEATHING

PART I: GENERAL

The optimum performance of the Direct Applied Exterior Finish System over cement board as en exterior cladding system is directly related to outdoor temperature extremes. Using the United States Frost Zone Map, this exterior cladding system is recommended for zones 5 through 10, and is not recommended for zones 2, 3 or 4. Therefore, the Direct Applied Exterior Finish System over cement board is not recommended for zones (areas inside or outside the United States) where the average annual low temperature is expected to fall below -20°F.

l.01 DESCRIPTION AND SCOPE

A. Requirements contained within Division I (General Requirements) are applicable to the work required of this section.
Provide labor, materials, equipment and supervision necessary to complete the exterior wall and finish systems including:
   l. attachment of PVC starter weep track and PVC trim over the open framing or existing sheathing;
   2. application of moisture barrier over the open framing or over existing sheathing and lapping over the back of the PVC starter weep track;
   3. installation of Durock or other approved cement board;
   4. application of a TOTAL WALL Soft Coat BaseCoat and TOTAL WALL reinforcing mesh over the cement boards;
   5. application of TOTAL WALL Synthetic Finish Coat;
   6. application of backer rod and caulk sealant.

B. Related work specified elsewhere
   l. Masonry, Division 4
   2. Metal Framing and Flashing, Division 5
   3. Wood Construction, Division 6
   4. Sheathing, Division 9
   5. Caulking/Sealants/Insulation/Moisture Barriers, Division 7
   6. Portland Cement Plastering, Division 9

C. Referenced Documents:
   1. Standards
      ASTM A526 Specification for Sheet Steel, Zinc Coated (Galvanized) by Hot-Dip Process, Commercial Quality
      ASTM B69 Specification for Rolled Zinc
      ASTM B117 Test Method for Salt Spray (Fog) Testing
      ASTM C67 Mod. Test Method For Saturated Freeze/Thaw Cycles of Exposure
      ASTM C150 Specification for Portland Cement.
      ASTM C297 Test Method for Tensile Strength of Flat Sandwich constructions in flat-wise Plane
      ASTM C578 Specification for Preformed, Cellular Polystyrene Thermal Insulation

ASTM C1135 Test Method for Determining Tensile Adhesion Properties of Structural Sealants
ASTM D968 Test Method for Abrasion Resistance of Organic Coatings by Falling Abrasive
ASTM1784 Specification for rigid PVC
ASTM D2247 Practice for Testing Water Resistance of Coatings in 100% Relative Humidity
ASTM E84 Test Method for Surface Burning Characteristics of Building Materials
ASTM E108 Mod. Full Scale Structural Fire Testing of Wall Systems
ASTM E330 Test Method for Structural Performance by Uniform Static Air Pressure Difference
ASTM E331 Test Method for Water Penetration by Uniform Static Air Pressure Difference
ASTM E695 Method fro Measuring Relative Resistance to Impact Loading
ASTM G23 and G53 Accelerated Weathering for Exposure of Nonmetallic Materials
Fed Mil Spec 810D Test Method for Determining the Resistance to Mold and Fungus Growth
NFPA Standard Test Method 268 Radiant Heat Fire Test

2. Building Code Standards

National Building Code, Building Officials and Code Administrators (BOCA), Section 1406.0
Standard Building Code, Southern Building Code Congress International (SBCCI), Sections 717.4 and 717.5
Uniform Building Code, International Conference of Building Officials (ICBO), UBC Standard 26-4
International Building Code (IBC)
International Residential Code (IRC)

D. Terms and Definitions

Class DA (Direct Applied) System over Cement Board: A class of DEFS where a layer of moisture barrier is used as a secondary line of protection behind cement board sheathing over open framing or existing sheathing against water intrusion into the wall system. An approved moisture barrier, such as 15 pound building paper, Tyvek, Tyvek Stucco Wrap, RainDrop HouseWrap or Weather Trek Wrap is used as a secondary line of protection behind cement board sheathing over open framing. A drainable moisture barrier, such as Tyvek Stucco Wrap, RainDrop HouseWrap or Weather Trek Wrap, is used over existing sheathing as a secondary line of protection behind cement board sheathing against water intrusion into the wall system. Water that enters the system will flow down the face of the moisture barrier and safely exit the system at a PVC weep base accessory. Since a waterproof cement-based sheathing is used, such as Durock, Permabase or equal, the moisture barrier is installed over open framing or over the existing sheathing behind the cement board. The exterior lamina consisting of a layer of Base Coat and reinforcing mesh and Synthetic Finish Coat covers the cement board. TOTAL WALL reinforcing mesh is embedded into TOTAL WALL Soft Coat base coat (minimum) 1/16" (1.6 mm). Typically, one layer of Base Coat and reinforcing mesh is used at the sheathing joints and at high stress areas, such as window corners. A second full layer of Total Wall Standard Reinforcing Mesh embedded in Total Wall Base Coat covers the entire outer surface of the sheathing. This approach improves performance since the sheathing joints and high

stress areas are double meshed and double based. The TOTAL WALL reinforcing mesh is a woven glass fiber fabric which is coated with a protective plastic material. A TOTAL WALL high grade Synthetic Finish Coat in a chosen color and texture is applied over the base coat.

1. Moisture Barrier
   A flexible sheet-like material available in rolls that is attached to a substrate with staples or similar attachment and is designed to act as a water protection layer.
2. Soft Coat Base Coat
   A material that is applied to the face of the cement board and is used to embed the reinforcing mesh and functions as a weather barrier.
3. Reinforcing Mesh
   An open weave fiberglass fabric that is coated with a protective plastic. It is embedded into a layer of TOTAL WALL base coat to strengthen the system.
4. Finish Coat
   A premixed, synthetic plaster material. It functions to provide a decorative color and texture coat and to provide additional weather resistance.
5. Accessories
   Items such as weep bases, corner beads and casing beads that are utilized in the assembly of the system. Flashing for window and door treatment, decks, roof kick out areas and dormers is utilized.
6. Sealant
   A permanently flexible self-sticking compound that is used to seal seams in the system such as the seams occurring between the system and windows and doors.

1.02 DESIGN LIMITATIONS AND DETAILING

A. The maximum allowable system deflection, normal to the plane of the wall, is L/240.

B. Design wind load shall not exceed TOTAL WALL's allowable wind load as stated in TOTAL WALL Code Evaluation Reports.

C. All details shall conform to TOTAL WALL recommendations and shall be consistent with the project requirements.

l. General
   a. The length and slope of inclined surfaces shall follow the guidelines listed below:
      l. Minimum slope: 6" (152.4 mm) of rise in 12" (304.8 mm) of horizontal projection.
      2. Inclined surface shall not be used for areas defined as roofs by building codes.
      4. Use not meeting the above criteria shall be approved in writing by TOTAL WALL prior to installation.

2. Substrate System
   a. Shall be engineered to withstand all applicable loads, including live, dead, positive and suction wind, seismic, etc. Bond strength, fastener strength and connection strength shall be analyzed and engineered. Appropriate factors of safety shall be used.
   b. The maximum deflection under positive or suction full design loads of the substrate system shall not

exceed L/240.

3. Substrates
   a. Application of the DEF System shall be to the following substrates only:
      l. Durock or approved cement board ½" or 5/8" thickness
   b. The substrate shall not have any planar irregularities of greater than 1/4" (6.35 mm) in 8 lineal feet (2.4384 M).
4. Expansion Joints and Control Joints
   a. Continuous expansion joints or control joints, as requires, shall be installed at the following locations:
      l. Where expansion joints occurring the substrate.
      2. Where building expansion joints occur.
      3. Where the system abuts other materials.
      4. Where the substrate changes.
      5. Where significant structural movements occur, i.e.:
         (a) Changes in roof line.
         (b) Long continuous elevations.
         (c) Changes in building shape and structural system.
      6. At floor lines in wood frame construction.
   b. Expansion and contraction of the system & adjacent materials shall be taken into account in the design of expansion joints, with proper consideration given to sealant properties, installation conditions, temperature range, coefficient of expansion of materials, joint width-to-depth ratios, etc.
   c. Isolation joints are required around all wall protrusions, including doors and windows.
5. Details
   a. TOTAL WALL's latest published information shall be followed for standard detail treatments.
   b. Non-standard detail treatments shall follow the recommendations of TOTAL WALL.
   c. Corners shall be reinforced by wrapping reinforcing fabric around the corner from both directions for a minimum of 8" (203.2 mm, or with Corner Mesh, or approved PVC accessory.
   d. Openings shall be reinforced using a 9 l/2" (241.3 mm) wide strip of Detail Mesh laid at a 45 degree angle to the opening corner.
   e. Flashing is detailed at window and door heads, deck ledger boards, roof kick-outs and roof wall interfaces.

D. All areas requiring higher than standard impact resistance shall be detailed in the drawings and described in the contract documents.

E. The use of dark colors must be considered in relation to estimated wall surface temperatures as a function of local climate conditions.

l.03 QUALITY ASSURANCES

A. Contractor

The contractor shall have a minimum of two years experience in the wall construction trades, be licensed by TOTAL WALL for application of DA Systems, demonstrate the ability to install the system based on projects of similar size and complexity, and meet the approval of the architect. The contractor shall provide a list of

completed projects. The contractor shall provide the equipment, manpower and supervision necessary to install the system in compliance the project plans and specifications.

l.04 SUBMITTALS

A. Sample Panel: The contractor shall submit to the architect a sample panel of at least 8" x 8" (20 X 20 cm) demonstrating the texture and color of the finish desired. The architect shall review the panel and determine the suitability of the finish presented.

B. The contractor shall submit a list of three projects, exhibiting the contractor's installation skills, which has been completed within the last five years. The list shall include project name, location, description of work and date.

C. TOTAL WALL's literature, including application instructions, specifications and details.

D. The Cement Board Manufacturer documentation to show compliance to TOTAL WALL and Code requirements.

l.05 PRODUCT DELIVERY AND STORAGE

A. Delivery: Deliver all materials supplied by TOTAL WALL in original, unopened containers with legible manufacturer's identification intact.

B. Storage:

l. Store all products off the ground, under cover and protected from dampness and sun light.

2. All liquid products shall be stored at 40 F (4.4 C) or above and protected from freezing. Protect from exposure to direct sunlight during storage.

l.06 JOB CONDITIONS

A. Install all materials in strict accordance with all safety and weather conditions required by the product literature, and in accordance with ASTM C926, paragraph 7, and as modified by the applicable standards of the authorities having jurisdiction.

B. Apply all coatings when the ambient temperature is 40 F (4.4 C) and rising. A minimum temperature of 40 F (4.4 C) should be maintained twenty-four hours after completion of work. Supplementary heat must be provided if stated temperature conditions do not exist. Do not apply coatings to a frozen surface.

C. Protect surrounding areas and surfaces during application of the wall system.

D. Protect system from precipitation during application and for at least 24 hours after application.

l.07 COORDINATION AND SCHEDULING

A. Closely coordinate work with related sections and trades.

B. Protect the tops of walls to prevent water from entering behind the system. Any required cap flashing, overhangs, or dip edges shall be installed as soon as possible after the finish coat has been applied.

C. Install all sealants in a timely fashion. Protect open joins from water intrusion with backer rod or other means until the sealant has been installed.

D. When required by code or job requirements, contract with a certified 3rd party Inspector prior to any TOTAL WALL installation. The

inspector shall be EDI (Exterior Design Institute) certified or other applicable certifying agency as approved by TOTAL WALL and the local code official. The inspector will make a minimum of three on-site inspections which will include the following examinations:

1. material storage and environmental application conditions,
2. trim accessory installation over framing or existing sheathing
3. moisture barrier - type and installation,
4. cement board - material(s) and condition,
5. flashings - kickout, deck, window and door heads
6. drainage channel material and trim accessories (if applicable),
7. trims and architectural enhancements-configuration and installation,
8. base coat - type, labeling, mixing, application,
9. mesh - type, labeling, back-wrapping, corner reinforcement, general installation,
10. finish - type, labeling, mixing, application,
11. sealant and backer rod - type, labeling, joint dimensions, joint preparation, joint placement, sealant application.

The inspector shall provide a minimum of three interim text reports and one final report which will include photographs. The inspected items shall be compared with job documents and TOTAL WALL specifications and reported accordingly. Report copies shall be issued to the copy list within three days of each inspection phase. The payment of monies for the inspection process will be allocated prior to the bidding process.

1.08 SYSTEM WARRANTY

A. A TOTAL WALL Warranty application form shall be completed for prior to the DEFS installation.

B. Upon completion of the DEFS installation in accordance with specifications and payment of monies due TOTAL WALL, TOTAL WALL shall issue a WARRANTY.

PART 2: PRODUCTS

2.01 MANUFACTURERS

A. All materials related to DEFS shall be obtained from TOTAL WALL, PO Box 8098, Madison, WI 53708 [888-702-9915] or a TOTAL WALL approved supplier.

2.02 EXTERIOR INSULATION SYSTEM COMPONENTS

A. The Moisture Barrier over open framing shall be shall be 15 pound grade D building paper, Tyvek, Tyvek Stucco Wrap, RainDrop HouseWrap or Weather Trek Wrap, or equivalent. The moisture barrier over existing sheathing shall be Tyvek Stucco Wrap, RainDrop HouseWrap or Weather Trek Wrap, which are drainable moisture barriers when sandwiched between two sheathings..

B. The Trim Accessories shall be UV resistant PVC as manufactured by either Vinyl Corporation (800-648-4695) or Plastic Components (800-327-7077). The trim accessories may consist of the following:

1. Starter track with weeps
2. Casing Bead starter track
3. Drip Casing Bead (head flashing)
4. Sloped Sill Wedge
5. Control joint

C. Base Coat - - shall be TOTAL WALL T2000 or Journeyman T2000, a dry polymer modified Portland Cement based mixture that is mixed with water at the job site; or TOTAL WALL Foam N' Base Coat, a wet acrylic polymer slurry that is mixed with Portland cement at the job site; or EZ Base NCB, a premixed ready-to-use base coat. The selected mixture is used to embed the TOTAL WALL reinforcing fabric to the face of the polystyrene board.

D. Reinforcing Mesh - A plastic coated fiberglass reinforcing fabric as required and supplied by TOTAL WALL:
   1. 4 oz - Standard, 25-35 in-lbs (2.8-4.0 Newton-M) impact
   2. 6 oz- Standard Plus, 35-40 in-lbs (4.0-4.5 Newton-M)impact
   3. 11 oz-Intermediate, 75-90 in-lbs (8.5-10.1 Newton-M)impact

E. Portland Cement - Shall be Type I, I-II, or II meeting ASTM Cl50, fresh and free of lumps.

F. Water - Shall be clear, potable and free of foreign matter.

G. Sealant Systems:
   l. Shall be one of the following:
      a. Tremco, Inc.:
         l. Sealant: "Dymeric"
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
         4. Bond Breaker: 3M#226, 481, 710
      b. Pecora Corporation:
         l. Sealant: "Dynatrol II"
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
         4. Bond Breakers: 3M #480 or Valley Industrial Products #90
      c. Dow Corporation:
         1. Dow 790 series sealants (790, 791, 795)
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
      d. Pecora Corporation:
         1. Pecora 890 sealant
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
      e. Sika Corporation:
         1. Sika LM15 sealant
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
      f. Sonneborn Corporation:
         1. Sonnelastic 150 sealant
         2. Prime: Use manufacturer's recommended Primer.
         3. Backer Rod: Dow "Ethafoam"
      g. Alternate as approved in writing by Total Wall.

   2. System materials shall be dried prior to Sealant Installation.
   3. Color shall be selected by the architect.

H. Finish - - TOTAL WALL ready-mixed, synthetic, textured finish coat. Available in a selection of colors and textures.

2.03 MIXING AND PREPARATION

A. TOTAL WALL T2000 Dry Base Coat

1. Obtain a clean container for mixing. Do not use contaminated or dirty containers.
2. Add 5 quarts (4.7 Liters) of fresh, potable water to the container.
3. Open a new 50 lb (22.7 Kg) bag of TOTAL WALL Dry Base Coat.
4. Using a low speed mechanical mixer, begin stirring while adding the TOTAL WALL Dry Base Coat. After all of the TOTAL WALL Dry Base Coat is added, continue mixing an additional three minutes being sure to scrape the sides and bottom of the mixing container. Add up to 1 quart (.95 Liters) of additional water to adjust the mixture to a creamy trowel-grade consistency.
5. Allow the mixture to stand for 15 minutes and mix again, on low speed for an additional minute
6. Begin using product immediately.

A2. TOTAL WALL Foam N' Base Coat (an alternative to TOTAL WALL Dry Base Coat)

1. Obtain clean container for weighing and mixing. Do not use contaminated or dirty containers.
2. Open a new pail of TOTAL WALL Foam N' Base Coat and stir with a low speed mechanical mixer for one minute.
3. In separate containers, weigh equal quantities of Total Wall Foam N' Base Coat and Portland cement.
4. Using a low speed mechanical mixer, begin stirring the TOTAL WALL Foam N' Base Coat while adding the Portland cement in small increments. About 1 quart (.95 Liters) of clean water may be added to enhance workability. After all of the Portland cement is added, continue mixing on low speed an additional two minutes being sure to scrape the sides and bottom of the mixing container.
5. Allow the mixture to stand for 15 minutes. Mix again on low speed for an additional minute.
6. Begin using product immediately.

B. TOTAL WALL EZ Base NCB (an alternative premixed base coat)

1. The TOTAL WALL EZ Base NCB shall be stirred for 1 minute with a low speed mixer until a uniform workable consistency is obtained.
2. A small amount of water may be added to adjust workability. Maximum water addition not to exceed 6 oz. (0.177 Liters) per 5 gal (18.92 Liter) pail. The water must be clean and potable.
3. No additives or material of any kind, such as rapid binders, antifreeze, accelerators, fillers, pigments, etc., shall be added unless specified by TOTAL WALL.
4. The TOTAL WALL EZ Base NCB shall be used immediately after mixing. The container shall be kept closed when not in use.
5. The mixing tool shall be cleaned immediately after use.

C. TOTAL WALL Synthetic Finish Coat

1. The TOTAL WALL Finish Coat shall be thoroughly stirred with a clean mixer until a uniform workable consistency is obtained.
2. A small amount of water may be added to adjust workability. Maximum water addition not to exceed 12 oz. (0.354 Liter) per 5 gal (18.92 Liter) pail. The water must be clean and potable.
3. No additives or material of any kind, such as rapid binders, antifreeze, accelerators, fillers, pigments, etc., shall be added unless specified by TOTAL WALL.
4. The TOTAL WALL Finish Coat shall be used immediately after mixing. The container shall be kept closed when not in use.
5. The mixing tool shall be cleaned immediately after use.

2.04 PERFORMANCE REQUIREMENTS

The TOTAL WALL system and its components shall meet the following performance requirements:

A) ASTM E84 Surface Burning	FSI = 10, SDI = 35
B) ASTM E108 mod. Full Scale Fire Test	Pass
C) MIL STD 810D Mildew Resistance (Method 508.3)	28 days - no growth
D) ASTM E695 Full Scale Impact Loading	No Damage
E ASTM D968 Sand Abrasion 500 liters	260 L/ml, No Deleterious Effects
F) ASTM D2247 Water Resistance	No Deleterious Effects
G) ASTM B117 Salt Spray (300 hours)	No Deleterious Effects
H) ASTM E96 Water Vapor Transmission	Approx 14 perms (finish)
I) ASTM C67 mod. Saturated Freeze/Thaw (50 cycles)	No Deleterious Effects
J) ASTM C297 Tensile Adhesion	No failure in adhesive, base or finish
K) ASTM E330 modified By E72-80 Negative and Positive wind Load	(Pos 0.079, Neg 0.079 Kg/cm2)
L) ASTM E331 Wind Driven Rain (5 gal/sq.ft./hour rain fall plus 65 mph wind)	No Penetration
M) ASTM D2797 Impact resistance	2.5 Newton-Meters
N) ASTM G23 Accelerated Weathering (2000 hrs)	No Deleterious Effects
O) ASTM C209 Tensile Bond	26 PSI (1.846 Kg/cm2)
P) ASTM C203 Flexural Strength	1.41cm deflection at 33.4 Kg load

PART 3 EXECUTION

3.01 INSTALLATION

A. The installation shall be performed strictly in accordance with TOTAL WALL current literature and current job specifications.

3.02 FRAMING and SHEATHING

A. Requirements of Framing

l. The framing assembly components shall be constructed to meet local code requirements and framing manufacturer requirements.

2. Wood and steel framing shall be a maximum of 16" o.c. designed not to exceed L/240 deflection based on stud properties only. Steel framing shall be 20 gauge minimum and have a corrosion resistance equal or better to G60 hot dipped galvanized coating.

3.03 INSTALLATION

A. Mixing - - All materials requiring preparation shall be labeled accordingly; the contractor shall follow all instructions.

B. System Terminations - At all system terminations, the system shall be terminated with the proper PVC accessory including window head flashing.

1. Weep starter track should be installed at lower terminations and at roof/wall intersections. Attach track to the framing (and through sheathing if present) using corrosion resistant nails or screws. Butt sections of track together and miter inside and outside corners.

C. Installation Of Weather Resistive Moisture Barrier

1. Tyvek Stucco Wrap, Tyvek, RainDrop, Weather Trek or Grade D Papers

a. A moisture barrier shall be installed horizontally over open framing or sub-sheathing. All approved moisture barriers are acceptable over open framing. Drainable moisture barriers (RainDrop, Weather Trek and StuccoWrap) are acceptable over existing sheathing. Attach the moisture barrier to the framing with tape or adhesive. Lap runs of moisture barrier starting at the bottom and working up, so that water running down the wall can not get behind the moisture barrier. Runs of moisture barrier should be lapped 6"(15 cm) at vertical laps and 2" minimum at horizontal laps. Wrap the moisture barrier back into the window and door openings by cutting a horizontal slit at the window head and window sill, then cut vertically down the middle of the rough opening and wrap the moisture barrier back around the jamb openings.

b. Moisture barrier must lap over the back of leg of the starter track. Use of waterproofing tape to integrate and seal the moisture barrier at penetrations is recommended.

D. Cement board sheathing shall be attached with appropriate fasteners and spacing to meet local code requirements and for design wind pressures. Install cement board panels either horizontally or vertically (horizontal is recommended). Precut panels into L-shaped pieces around door and window corners. Stagger vertical joints one stud cavity or greater. Offset cement board panel joints from any existing sheathing joints. Fasten panels along framing members using screws 6" or 8" apart, as required for wind load,

with panel ends 5/8” onto studs. Drive screws until heads are flush with panel surface.

E. TOTAL WALL Soft Coat Base Coat

1. Surface of the cement board shall be inspected as follows:
   a. For flatness, use a straight edge.
   b. Pocked areas may be built up with to ¼” with base coat to form a flat surface.
2. Damaged areas and foreign materials shall be addressed prior to application of the Base Coat or Finish.
3. Using a steel trowel or margin trowel, apply TOTAL WALL Base Coat to the cement board sheathing joints and embed a minimum 4.5” wide 4.3 ounce detail mesh. Allow to dry. This is to reduce joint read-through and joint cracking.
4. Using a steel trowel, apply the TOTAL WALL Soft Coat Base Coat to the surface of the cement board to a minimum thickness of approximately 1/16" (1.5875 mm).
5. In this step the entire cement board surface is fully meshed. The Reinforcing Mesh shall immediately be embedded into the wet base coating using a steel trowel. Working from the center to the edges while smoothing out wrinkles, the surface of the base coating shall be smoothed with a trowel until the Reinforcing Mesh is fully embedded. Apply additional TOTAL WALL Soft Coat Base Coat as necessary so the color of the reinforcing mesh is not visible and the pattern is not visible or is barely visible beneath the surface of the base coating.
6. The Reinforcing Fabric pieces shall be lapped a minimum of 2 l/2" (63.5 mm) on all sides and the sheathing board joints shall be covered with the full field of reinforcing mesh in addition to the strip of detail mesh. Butterflies of detail mesh (9” X 12”) shall be embedded in Base Coat at door and window corners.
7. A minimum period of 18 hours shall lapse to allow the TOTAL WALL Soft Coat Base Coat to cure. The base coat shall be protected from damage and weather while curing.
8. Details of the installation of the base coat at the ends of walls, windows, insulation board edges, corners, etc., shall be in accordance with TOTAL WALL's latest detailed installation instructions and current job drawings.

F. Finish

l. The TOTAL WALL Synthetic Finish Coat shall be applied continuously and in one operation to the entire wall surface, or to a logical break point. A wet edge shall be maintained. The TOTAL WALL Finish Coat shall not be allowed to set up in a distinct area. Sufficient manpower, scaffolding and equipment shall be employed to insure a continuous operation and a uniform appearance.
2. Work shall proceed toward natural wall stops and corners.
3. A clean stainless steel trowel shall be used.
4. Apply the TOTAL WALL Finish to the dry Base Coat maintaining a wet edge at all times. The thickness of the TOTAL WALL Finish Coat shall be in accordance with TOTAL WALL specifications and job requirements to achieve the desired result.
5. Immediately texture the finish with the appropriate float, trowel or tool required to achieve the specified texture and

appearance. All mechanics shall use the same design tool, equipment, timing and technique to achieve uniformity.

6. Certain Finishes may be spray applied. TOTAL WALL shall be contacted for specific information for this project if a spray application is indicated.
7. The Finish shall be protected from contamination, weather and damage for a minimum of 24 hours.
8. Do not wrap Finish into expansion joints or isolation joints. The Primer and Sealant should be bonded directly to the Base Coat or accessory in the joint.

H. Sealant

Insure that proper backer rod, Primer and Sealant is installed at all required locations, such as expansion joints and isolation joints, in accordance with Total Wall details and the sealant manufacturer specifications.

3.04 JOB SITE CLEANUP

A. All excess Total Wall system materials shall be removed from the job site by the applicator.

B. All surrounding areas where Total Wall products have been applied shall be left free of debris and foreign substances.

3.05 INSPECTION

A. A Total Wall representative shall inspect the installation and prepare an inspection summary with a copy to Total Wall.

B. If a 3rd Party Inspector is used, a copy of the final report shall be submitted to Total Wall.